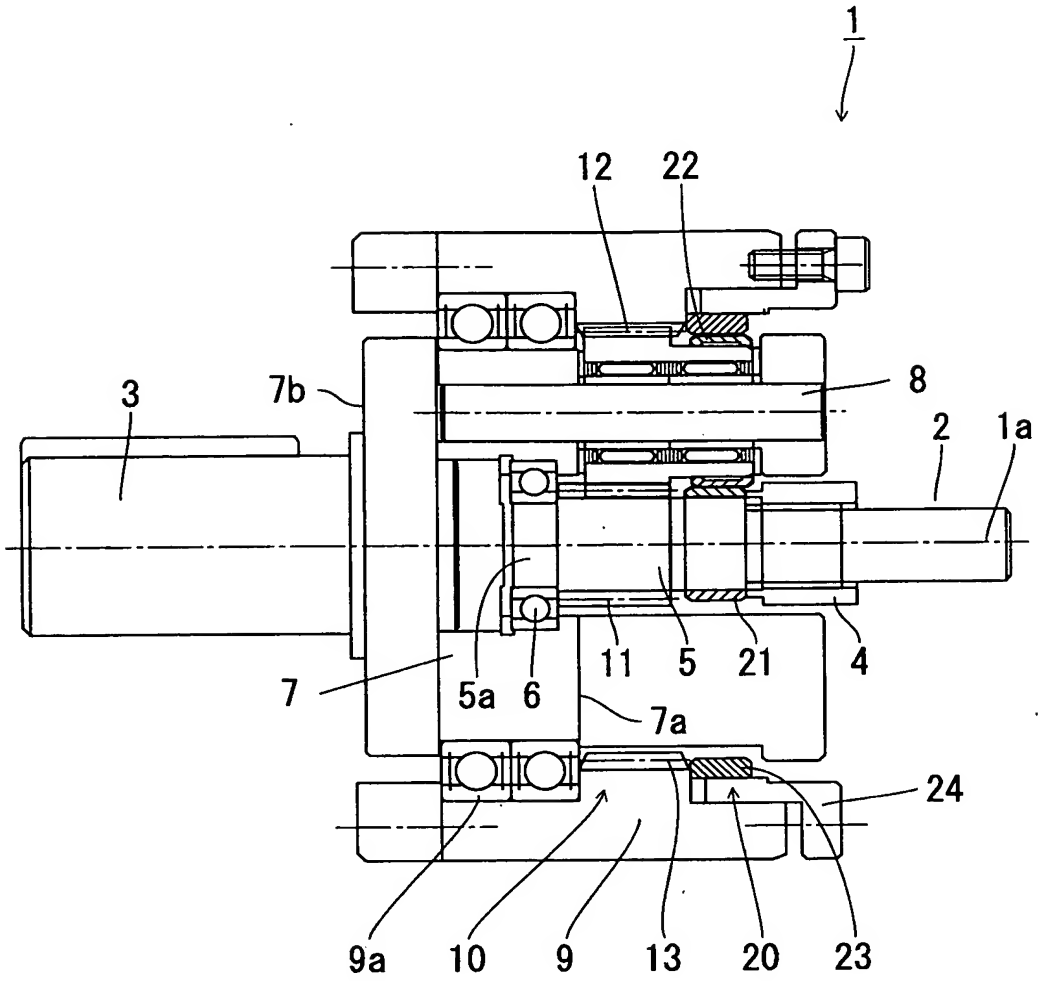
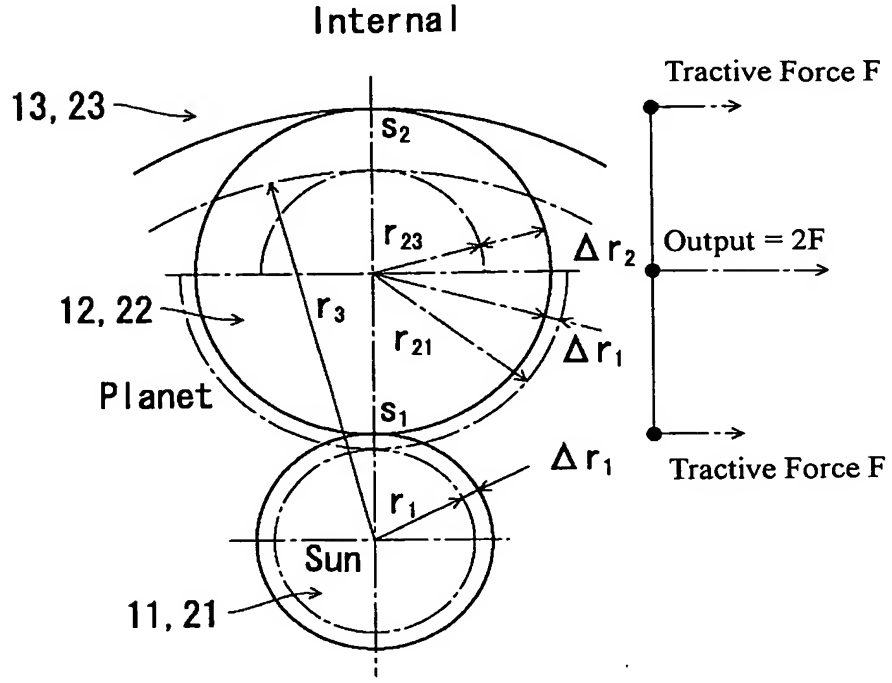
[FIG. 1]



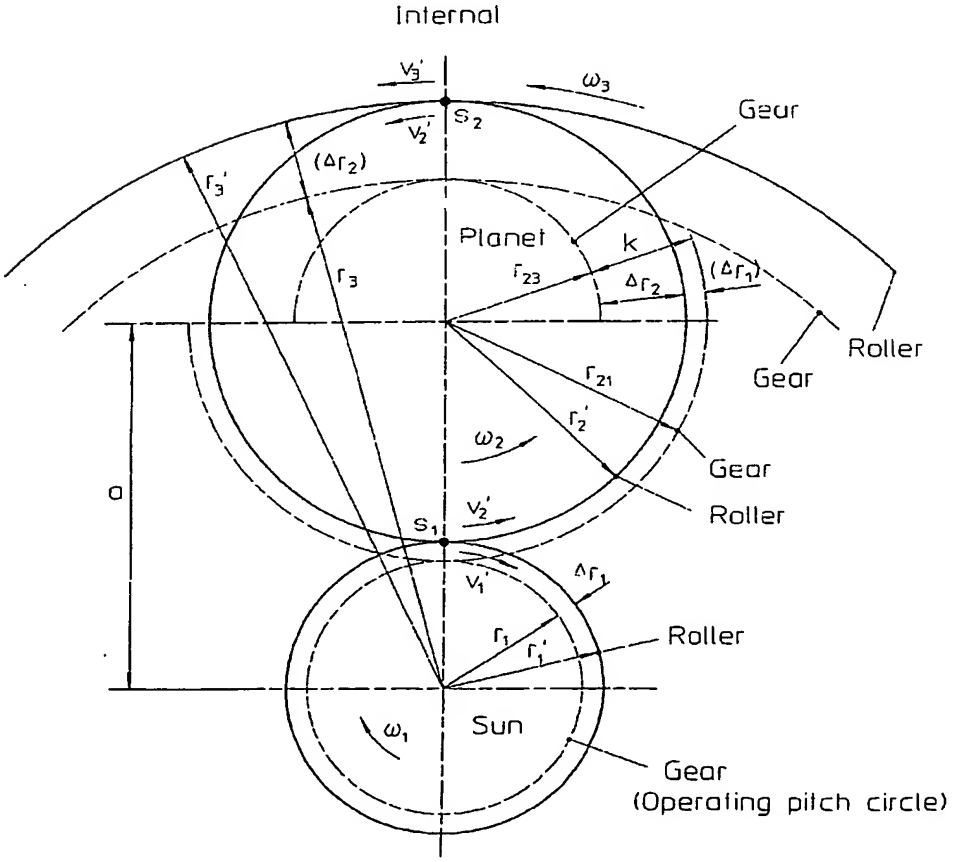
[FIG. 2]



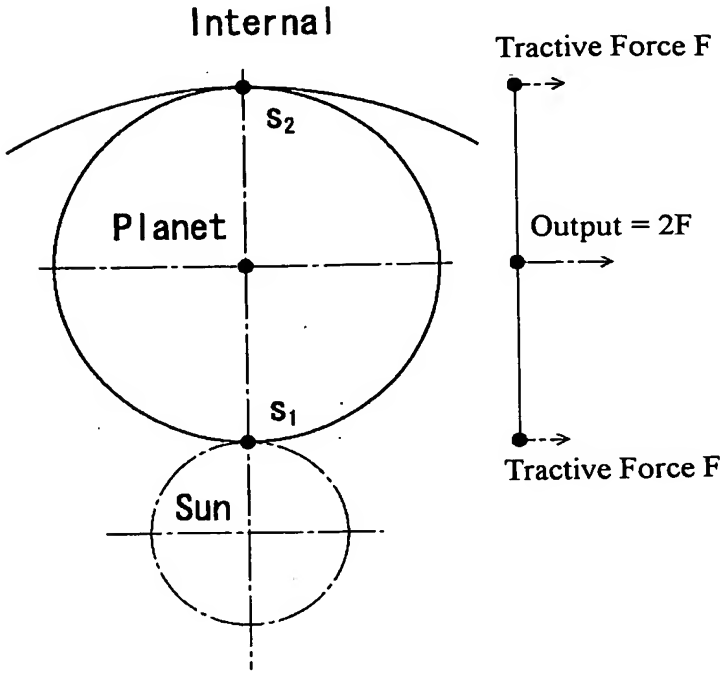
$$0 < s_1 = s_2$$

$$U_g \neq U_r$$

[FIG. 3]



[FIG. 4]



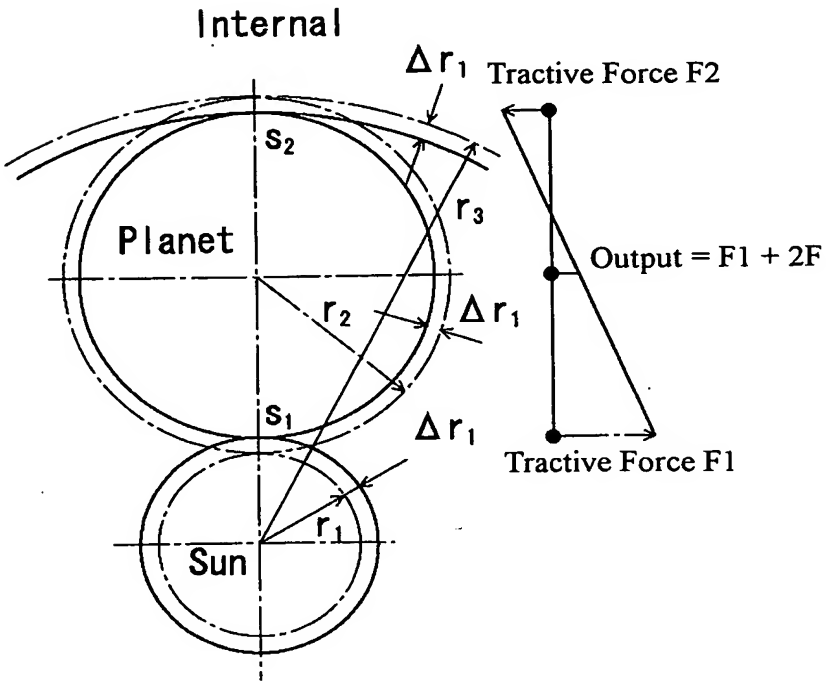
Gear pitch circle diameter = roller diameter

$$U_g = U_r$$

$$s_1 = s_2 = 0$$

(Prior Art)

[FIG. 5]



If s_1 is made positive,
s_2 will become negative.

$$U_g \neq U_r$$

Symbol ——·—— : Gear pitch diameter

Symbol ———— : Roller outside diameter

(Prior Art)